

Basic Information

Product Name	Anti-ACE2 Antibody (Clone#OTI4C5)
Gene Name	ACE2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	WB, IHC
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 18-237 of human ACE2 (NP_068576) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

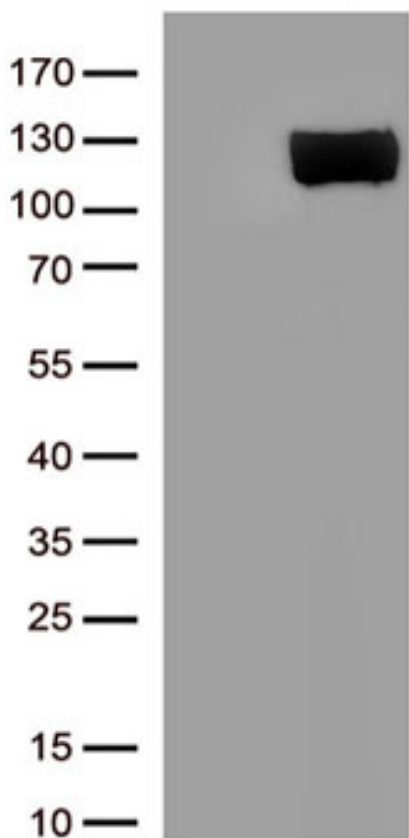
Background Information

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63. [provided by RefSeq, Jul 2008]

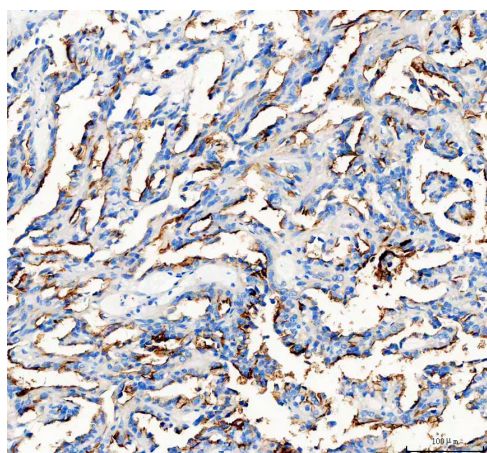
Reference

Anti-ACE2 Antibody (Clone#OTI4C5)被引用在1文献中。

Selected Validation Data



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ACE2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACE2 (MA00756). (1:500)



IHC analysis of ACE2 using anti-ACE2 antibody (MA00756). ACE2 was detected in a paraffin-embedded section of human renal cancer tissue. The tissue section was incubated with mouse anti-ACE2 Antibody (MA00756) at a dilution of 1:200 and developed using HRP Conjugated mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB (Catalog # AR1027) as the chromogen.